

Single Channel LoRa Gateway

LG01v2



OVERVIEW:

The LG01v2 is an **open-source single channel LoRa Gateway**. It lets you bridge LoRa wireless network to an IP network via **WiFi**, **Ethernet** or **Cellular Network** (via Optional 4G module). The LoRa wireless allows users to send data and reach extremely long ranges at low data rates.

LG01v2 is specially design for **peer to peer LoRa protocol** instead of LoRaWAN protocol. The LG01v2 use single channel LoRa module to minimize the deployment cost for a private p2p LoRa wireless network.

LG01v2 uses **Open Source Linux system**. User can modify the Linux part and develop customize software base on it. It has 1.2Ghz Quad-Core CPU , 4GB eMMC storage and 512MB RAM for most application.

LG01v2 supports **remote management**. System Integrator can easy to remote monitor the gateway and maintain it.

Features:

- LoRa Gateway
- Remote Management
- Open Source Debian system
- Built-in Node-Red local Application server
- Managed by Web GUI, SSH via WAN or WiFi
- Auto-provisioning for batch deployment and management

Specifications:

Hardware System:

- CPU: Quad-core Cortex-A7 1.2Ghz
- RAM: 512MB
- eMMC: 4GB

Interface:

- 10M/100M RJ45 Ports x 1
- WiFi 802.11 b/g/n

Operating Condition:

- Work Temperature: -20 ~ 65°C
- Storage Temperature: -20 ~ 65°C
- Power Input: 5V, 2A, DC

Ordering Info: LG01v2-XX-YY

XX: Frequency Band

- **868**: For frequency : 863 ~ 870Mhz
- **915**: For frequency : 902 ~ 928Mhz

YY: 4G Cellular Option

- **EC25-E**: EMEA, Korea, Thailand, India
- **EC25-AFX**: America:Verizon, AT&T(FirstNet), U.S.Cellular; Canada:Telus
- **EC25-AUX**: Latin America, New Zeland, Taiwan
- **EC25-J**: Japan, DOCOMO, SoftBank, KDDI